

Sequence Listing

<110> Shen, Ben-Quan
Zioncheck, Thomas

<120> MODULATION OF eNOS ACTIVITY AND THERAPEUTIC USES THEREOF

<130> P1735R1

<140> US 09/700,806
<141> 2000-11-02

<150> PCT/US00/30294
<151> 2000-11-02

<150> US 60/163,132
<151> 1999-11-02

<160> 4

<210> 1
<211> 57
<212> DNA
<213> Artificial

<220>
<221> Misc_feature
<222> 1-57
<223> Sequence is synthesized.

<220>
<221> unsure
<222> 19, 20, 21, 28, 29, 30, 31, 32, 33, 40, 41, 42
<223> N at indicated positions may be G, A, T or C; S at indicated positions may be C or G

<400> 1
cacgaagtgg tgaagttcnn sgatgtcnns nnsccgagcn nstgccatcc 50
aatcgag 57

<210> 2
<211> 42
<212> DNA
<213> Artificial

<220>
<221> Misc_feature
<222> 1-42
<223> Sequence is synthesized.

<220>
<221> unsure
<222> 16, 17, 18, 22, 23, 24, 25, 26, 27
<223> N at indicated positions may be G, A, T or C; S at indicated positions may be C or G

<400> 2

gggggctgct gcaatnnsa gnnsnnsag tgtgtgccca ct 42

<210> 3
<211> 990
<212> DNA
<213> Homo sapiens

<400> 3
cagtgtgctg gcggcccggc gcgagccggc ccggcccggc tcgggcctcc 50
gaaaccatga actttctgct gtcttgggtg cattggagcc tcgccttgct 100
gctctacctc caccatgccca agtgggtccca ggctgcaccc atggcagaag 150
gaggagggca gaatcatcac gaagtgggtga agttcatgga tgtctatcag 200
cgcagctact gccatccaat cgagaccctg gtggacatct tccaggagta 250
ccctgatgag atcgagtaca tcttcaagcc atcctgtgtg cccctgatgc 300
gatgcggggg ctgctgcaat gacgagggcc tggagtgtgt gccactgag 350
gagtccaaca tcaccatgca gattatgcgg atcaaacctc accaaggcca 400
gcacatagga gagatgagct tcctacagca caacaaatgt gaatgcagac 450
caaagaaaga tagagcaaga caagaaaatc cctgtggggc ttgctcagag 500
cggagaaagc atttgtttgt acaagatccg cagacgtgta aatgttcctg 550
caaaaacaca gactcgcgtt gcaaggcgag gcagcttgag ttaaaccgaac 600
gtacttgag atgtgacaag ccgaggcggt gagccgggca ggaggaagga 650
gcctccctca gggtttcggg aaccagatct ctcaccagga aagactgata 700
cagaacgac gatacagaaa ccacgtgcc gccaccacac catcaccatc 750
gacagaacag tccttaatcc agaaacctga aatgaaggaa gaggagactc 800
tgcgagagc actttgggtc cggagggcga gactccggcg gaagcattcc 850
cgggcgggtg acccagcacg gtccctcttg gaattggatt cgccatttta 900
ttttcttgc tgctaaatca ccgagcccgg aagattagag agttttattt 950
ctgggattcc tgtagacaca ccgcgccgc cagcacactg 990

<210> 4
<211> 191
<212> PRT
<213> Homo sapiens

<400> 4
Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu
1 5 10 15

Leu Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala
 20 25 30
 Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp
 35 40 45
 Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp
 50 55 60
 Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro
 65 70 75
 Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
 80 85 90
 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln
 95 100 105
 Ile Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met
 110 115 120
 Ser Phe Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp
 125 130 135
 Arg Ala Arg Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg
 140 145 150
 Lys His Leu Phe Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys
 155 160 165
 Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn
 170 175 180
 Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
 185 190